

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000989

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C08F 265/04, 265/06; C09D 151/00, 5/02; C08F 2/22, 285/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C08F 265/04, 265/06, 265/00, 265/02, 220/10, 220/06, 285/00, 2/22; C09D 151/00, 5/02; C08L 51/00, 51/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DERWENT: WPAT & JAPIO; copolymer, heteropolymer, aqueous dispersion, acrylic, methacrylic, acrylate, methacrylate, binder, thickener

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	WO 2001/005844 A (ORICA AUSTRALIA PTY LIMITED) 25 January 2001 whole document, particularly page 5, line 19 to page 7, line 2; page 14, line 21 – page 15, line 30; examples 1-8, 10, 11, 13; claims	1-50
X, Y	WO 2002/044290 A (THE DOW CHEMICAL COMPANY) 6 June 2002 whole document, particularly examples 1, 4, 6, 10, 12; claims.	1-3, 6-50
X	US 4478972 A (CONRADY) 23 October 1984 whole document, particularly col. 3, lines 1-64; col. 4, lines 34-67; examples; claims	1-3, 6-50
X	US 3875099 A (KURTH et al.) 1 April 1975 whole document, particularly col. 3, lines 30-45; examples 1-11; claims	1-3, 6-50

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 26 August 2004	Date of mailing of the international search report - 3 SEP 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6283 3929	Authorized officer DR. A TESSEMA Telephone No : (02) 6283 2271

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5266646 A (EISENHART et al.) 30 November 1993 whole document, particularly col. 6, line 68 – col. 7, line 28; examples 11-14, 26-30; claims	1-3, 6-50
X	CA 1247283 A (HOECHST AKTINGESELLSCHAFT) 20 December 1988 whole document, particularly page 4, lines 14-26; examples 1-5; claims	1-3, 6-50
X	WO 2002/026895 A (IMPERIAL CHEMICAL INDUSTRIES PLC) 4 April 2002 whole document, particularly page 6, line 18 – page 9, line 18; page 12, line 28 – page 13, line 9; examples 1, 2; claims	1-3, 6-50
X	CA 1276338 A (DESOTO, INC., USA) 13 November 1990 whole document, particularly page 8, lines 24-35; example 1 (page 10, lines 15-18); claims 1, 6-9	1-3, 6-50
X	US 4289823 A (ARKENS) 15 September 1981 whole document, particularly example 1; claims	1-3, 6-50
X	US 5157084 A (LEE et al.) 20 October 1992 whole document, particularly col. 4, lines 25-28; col. 5, lines 14-33; examples; claims	1-3, 6-50
X	EP 1209213 A (ROHM AND HAAS COMPANY) 29 May 2002 whole document, particularly page 4, lines 11-25; examples E1-E14; claims	1-3, 6-50
X	Derwent Abstract Accession Number 93-392700/49, Class A14 G02 (A82), and JP 5-295039 A (JAPAN SYNTHETIC RUBBER CO LTD) 9 November 1993 abstract	50
X	Patent Abstract of Japan, Publication Number 60-192718 A (DAINIPPON INK & CHEM INC) 1 October 1985 (obtained from Japanese. Patent Office website) abstract	50
X	Derwent Abstract Accession Number 87-155167/22, Class A14, and RO 90605 A (CENT PROTECT ANTICOROZ (LACU)) 29 November 1986 abstract	50
Y	US 4468498 A (KOWALSKI et al.) 28 August 1984 whole document, particularly examples; claims	1-3, 6-50
Y	US 4469825 A (KOWASKI et al.) 4 September 1984 whole document, particularly examples; claims	1, 4-50

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C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6475712 A (WANG et al.) 5 November 2002 whole document, particularly col. 5, lines 59-64; col. 12, lines 1-23; claims 1, 8-13	50
A	WO 2000/005276 A (ELOTEX AG) 3 February 2000 whole document	1-50
A	EP 301880 B (TIOXIDE GROUP LIMITED) 15 September 1993 whole document	1-50
A	CA 2362465 A (BASF AKTIENGESELLSCHAFT) 13 July 2000 whole document	1-50
A	GB 2170105 A (L'OREAL (FRANCE)) 30 July 1986 whole document	1-50

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000989

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	0105844	AU	57959/00	EP	1268564	NZ	516597
		ZA	200200235				
WO	0244290	AU	26985/02				
US	4478972						
US	3875099	CA	999391	DE	2228515	FR	2187813
		GB	1408363	JP	49051382	NL	7307894
US	5266646	AU	54975/90	BR	9002257	CA	2015832
		CN	1047322	EP	0398576	HK	172495
		JP	3072511	NO	902063	NZ	233653
		PT	94033	TR	24993	US	5451641
		ZA	9003607				
CA	1247283	AU	86057/82	BR	8204134	DE	3128025
		DK	318582	EP	0071071	ES	8305014
		FI	822503	JP	58019301	NO	822455
		PT	75260	ZA	8205034		
WO	0226895	AU	16951/02	EP	1325088		
CA	1276338						
US	4289823						
US	5157084	AU	25066/92	BR	1101170	BR	9207160
		CA	2140035	EP	0656033	FI	950733
		US	5521253	WO	9404603		
EP	1209213	AU	91334/01	CN	1356345	JP	2002249524
		US	2002061322				
US	4468498	AU	30524/84	AU	59680/80	BR	8004010
		CA	1180474	EP	0022633	EP	0073529
		JP	56032513	JP	63213509	MX	155488
		MY	16386	NZ	194157	US	4427836
US	4469825	AU	25389/84	BR	8401050	CA	1237223
		EP	0119054	JP	60069103	MX	9101624
		NZ	207399	PH	20135		
US	6475712	EP	1316846	JP	2003186149		

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Information on patent family members

International application No.
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WO	0005276	AU	51623/99	BR	9912677	CA	2337893
		DE	19833061	EP	1102793	PL	345617
		US	6765072				
EP	301880	AU	18799/88	BR	8803725	DK	424488
		FI	883583	FR	2618790	GB	2207680
		JP	1048805	US	4863973	US	4920160
		ZA	8805493				
CA	2362465	AU	24360/00	DE	19900460	EP	1157051
		WO	0040627				
GB	2170105	AU	52759/86	BE	904114	CA	1268424
		DE	3602353	FR	2576513	JP	61218514
		LU	85746	NL	8600070	US	4804531
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							